

## Product datasheet for **RG234128**

### Radixin (RDX) (NM\_001260494) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Radixin (RDX) (NM_001260494) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Radixin
Synonyms:	DFNB24
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG234128 representing NM\_001260494  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGAGCTGGAATTTGCCATTAGCCCAATACAACCTGGCAAACAACCTTTTACCAGTGTATTGGAAC  
 AACACAACTAACAAAAGAACAGTGGGAAGAAAGAATACAGAAGCTGGCATGAAGAACATAGAGGAATGTT  
 AAGGGAGGATTCTATGATGGAATACCTGAAGATTGCACAAGATCTAGAAATGTATGGAGTCAACTATTTT  
 GAAATAAAAAATAAAAAAGGAAGTGAATTTGGCTAGGTGTTGATGCTTTGGGTCTGAATATTTATGAGC  
 ATGACGACAAGTTAACACCTAAAATTTGGTTTTCCCTGGAGTGAATCAGAAATATTTTATTTAATGACAA  
 AAAATTTGTTATAAAGCCAATCGACAAAAGGCACCTGATTTTGTGTTTTATGCACCTCGTCTGAGAATC  
 AATAAGCGGATTTTGGCCTTATGTATGGGAAACCATGAAGTATACATGCGAAGAAGGAAGCCTGATACTA  
 TTGAAGTACAACAGATGAAGGCTCAGGCTAGGGAGGAGAAACATCAGAAGCAGTTGGAAAGGCACAATT  
 AGAGAATGAAAAGAAGAAAAGAGAAATAGCAGAAAAGGAAAAGGAAAGAATAGAAGCTGAAAAGGAAGAG  
 CTAAATGGAACGTCTAAAACAAATTTGAAGAGCAGACAATTAAGCTCAGAAAGAAGCTAGAAGAAGCAGACTC  
 GAAAAGCTCTAGAACTGGATCAAGAACGAAAACGAGCAAAAAGAAGAAGCAGAAGCAGACTTGAAAAGGAGCG  
 TCGAGCTGCTGAAGAGGCAAAGTCTGCCATAGCAAAAACAGCTGCCGACCAGATGAAGAATCAGGAGCAG  
 CTAGCAGCAGAAGTTGCTGAATTCAGTCCAAAGATTGCACTTCTAGAGGAAGCCAAGAAGAAAAGGAAG  
 AGGAAGCTACTGAGTGGCAACACAAAGCTTTTGCAGCCCAGGAAGACTTGAAAAGACCAAAAGAAAGATT  
 AAAAATGTGATGCTGCCCCCTCCACCTCCACCACCAGTCATTCCTCCAACAGAAAACGAACAT  
 GATGAACACGATGAGAATAATGCTGAAGCTAGTGTGCTGAATTATCAATGAAGGGGTAATGAACCATAGAA  
 GCGAGGAAGAAGCTGTAACCGAAAACACAGAAAAATGAGCGTGTTAAGAAGCAACTTCAGGCATTAAGTTC  
 AGAATTAGCCCAAGCCAGAGATGAAACCAAGAAAACACAAAATGATGTTCTTCATGCTGAGAATGTTAAA  
 GCAGGCCGTGATAAGTACAAGACTCTGCGACAGATTTCGACAAGGCAATACAAAGCAGCGTATCGATGAGT  
 TTGAAGCAATG

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG234128 representing NM\_001260494  
 Red=Cloning site Green=Tags(s)

MLSWNLPSPIQLANNFLTSVLEQHKLTKEQWEERIQNWHEEHRGMLREDSMMEYLKIAQDLEMYGVNYF  
 EIKNKKGTTELWLGVDALGLNIYEHDDKLTPIKIGFPWSEIRNLSFNDKFKVIKPIDKKAPDFVYAPRLRI  
 NKRILALCMGNHEL YMRRRKPDTEIVQQMKAQAREEKHQKQLERAQLENEKKKREIAEKEKERIEREKEE  
 LMERLKQIEEQTIKAQKELEEQTRKALELDQERKRAKEEAERLEKERRAAEEAKSAIAKQAADQMKNQEQ  
 LAAELAEFTAKIALLEEAKKKKEEATEWQHKAFAAQEDLEKTKELKTVMASPPPPPPPPVIPPTENEH  
 DEHDENNAEASAELESNEGVNMHRSEERVETETQKNERVKKQLQALSSELAQARDETKKTQNDVLAENVK  
 AGRDKYKTLRQIRQNTKQRIDEFEAM

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001260494

**ORF Size:** 1341 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001260494.1](#), [NP\\_001247423.1](#)

**RefSeq Size:** 4123 bp

**RefSeq ORF:** 1344 bp

**Locus ID:** 5962

**UniProt ID:** [P35241](#)

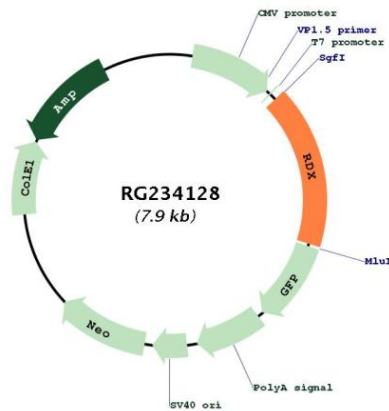
**Cytogenetics:** 11q22.3

**Protein Families:** Druggable Genome

**Protein Pathways:** Regulation of actin cytoskeleton

**Gene Summary:** Radixin is a cytoskeletal protein that may be important in linking actin to the plasma membrane. It is highly similar in sequence to both ezrin and moesin. The radixin gene has been localized by fluorescence in situ hybridization to 11q23. A truncated version representing a pseudogene (RDXP2) was assigned to Xp21.3. Another pseudogene that seemed to lack introns (RDXP1) was mapped to 11p by Southern and PCR analyses. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2012]

**Product images:**



Circular map for RG234128